TOSHIBA

The power to open people's eyes

50PH18P
61PH18P

colour television

owner's manual

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For your safety

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured. So, please read the points below for your own safety. They are of a general nature, intended to help you with all your electronic consumer products and some points may not apply to the goods you have just purchased.

Air Circulation…

Leave at least 10cm clearance around the television to allow adequate ventilation. This will prevent the TV from overheating and consequential possible damage to the TV. Dusty places should also be avoided.

Heat Damage…

Damage may occur if you leave the TV in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or locations where the temperature is likely to fall below 5°C (41°F).

Mains Supply…

The mains supply required for this equipment is 230v AC 50Hz. Never connect to a DC supply or any other power source. DO ensure that the TV is not standing on the mains lead. DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is 5A, and is approved by ASTA or BSI to *BS1362*. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted. IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Do…

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

Do not…

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DON'T allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DON'T place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DON'T use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

ABOVE ALL – NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case – this could result in a fatal electric shock.

NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.

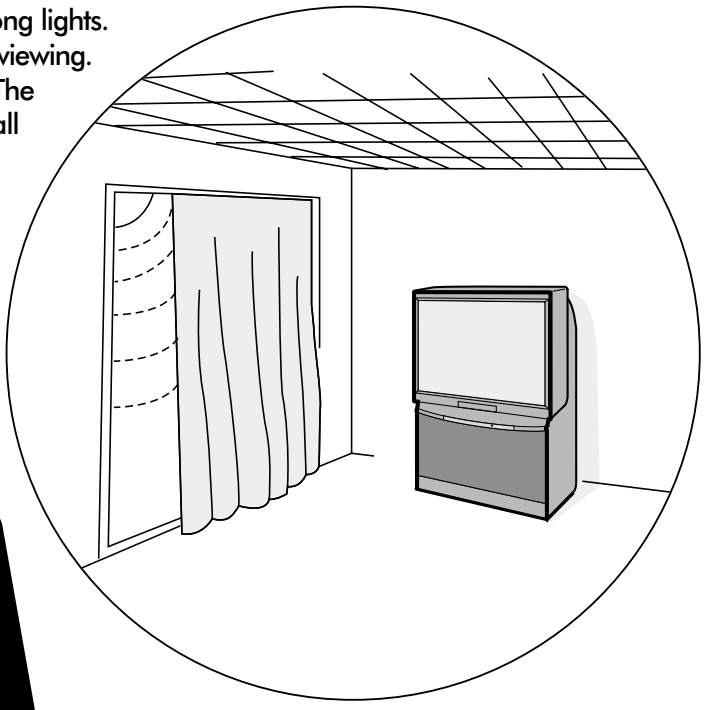
Installation and other points to follow

Where to install…

Locate the television away from direct sunlight and strong lights. Soft, indirect lighting is recommended for comfortable viewing. Place the TV directly on the floor or a sturdy platform. The mounting surface should be flat and steady. If you install the TV onto a soft floor covering, make sure that the covering will not be damaged by the weight of the TV.

Use curtains or blinds to prevent direct sunlight falling on the screen.

Always take great care when moving this TV as it could mark polished floor surfaces or damage floor coverings.



WARNING!
NEVER LEAVE A STATIONARY IMAGE ON THE SCREEN.

If stationary images generated by TELETEXT, CHANNEL IDENTIFICATION LOGOS, COMPUTER DISPLAYS, VIDEO GAMES, ON SCREEN MENUS, etc. are left on the TV screen for any length of time, they will become permanently ingrained.

If you use your television to display completely still images, or moving pictures which have a permanent still image superimposed *i.e.* broadcast network logos, it is always advisable to reduce BOTH the brightness and contrast settings.

THIS DAMAGE IS EXPENSIVE TO REPAIR AND IS NOT PROTECTED BY YOUR WARRANTY AS IT IS THE RESULT OF MISUSE.

Cleaning the screen and cabinet...

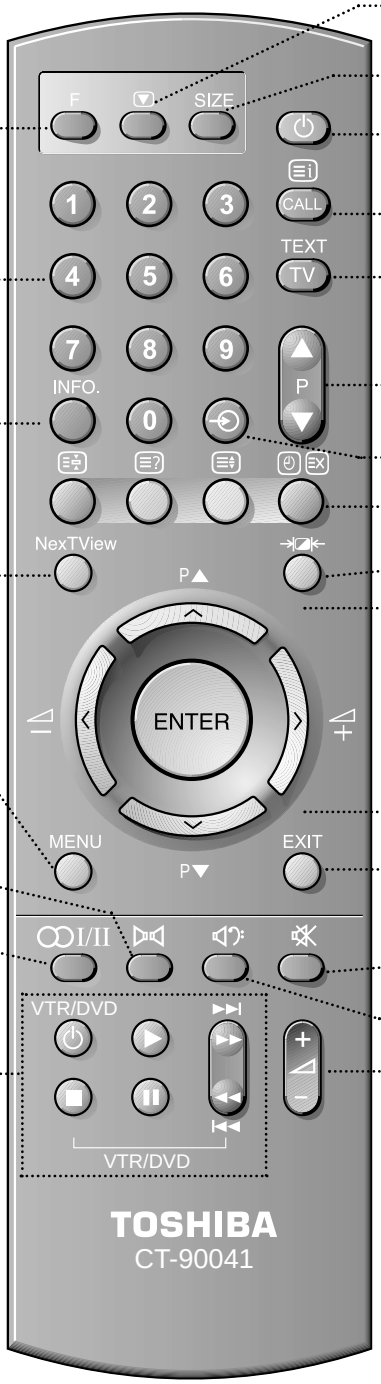
*After turning off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you **do not** use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.*

Disposal...

When the set reaches the end of its useful life please dispose of it in accordance with Local Government Regulations or at a recycling centre.

Your new television's remote control

Simple, at-a-glance reference of your remote control's buttons…



F button – use with the colour buttons to select additional teletext features and with the VTR buttons for a **TOSHIBA** *DVD player*
It also increases the speed of most functions

Still Picture

Aspect ratio

For On/Standby mode

To bring up on-screen information and for the teletext initial/index function

Number buttons

To display teletext

To change programme positions and teletext pages

INFO *button – information on current transmission from NEXTVIEW provider and for use with the* ***F*** *button for subtitles*

To select input from external sources

Teletext control buttons

NEXTVIEW *button – Electronic Programming Guide for TV schedules*

Selectable picture preferences

To change programme positions and teletext pages
To alter the volume
When using menus the arrows move the cursor on the screen up, down, left or right. **ENTER** *to confirm your selection*

Please see page 28 for details of the main on-screen menus

On-screen Menus

Dolby Surround

To exit Menus

Stereo/bilingual reception

To mute the sound

Bass Boost/Super Woofer

To alter the volume

These buttons will operate your **TOSHIBA** VIDEO and DVD.
For the DVD you must press the F button at the same time…

to switch ON/OFF, *press*

to STOP, *press*

to PLAY, *press*

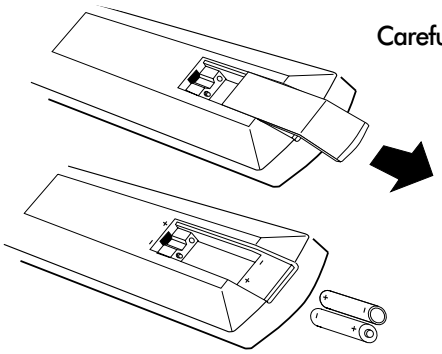
to PAUSE, *press*

to FAST FORWARD/SKIP, *press*

to REWIND/SKIP, *press*

… For quick reference to topics, please see the INDEX at the end of this manual.

The batteries… and the effective range of the remote…



Carefully slide the back cover downwards to reveal the battery compartment and make sure you insert the batteries the right way round.

Suitable battery types for this remote are R03 or AAA.

Do not throw your old batteries into a fire, dispose of them in a designated disposal area. Do not combine a used, old battery with a new one or mix battery types.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the TV.

Connecting the speakers

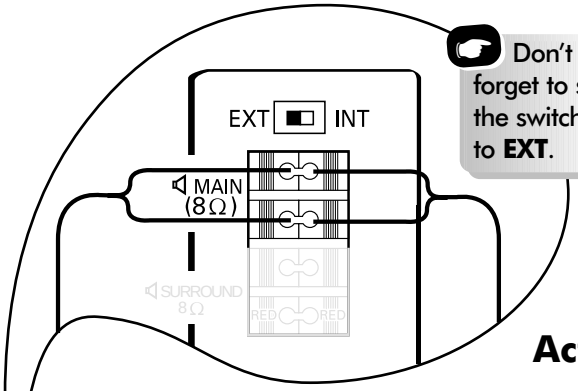
WARNING: do not attempt to share external speakers with your Hi-Fi as serious damage may occur.

When connecting external speakers always make sure that the power is OFF.

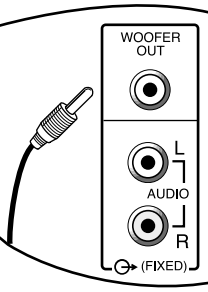
External (Main) Speakers

When connecting external Hi-Fi speakers of your choice, they must be 8 ohm, 15W minimum. These speakers should be positioned either side of the TV and will deliver the left and right sound. Simply press the connector and insert the cable. You must now set the switch to EXT as shown.

Don't forget to set the switch to **EXT**.



Active Super Woofer



When you connect a Super Woofer, make sure you choose *Woofer* EXT. in the *AV Connection* menu.

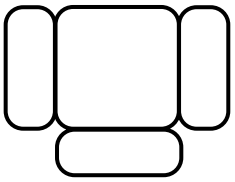
TV

Always make sure that the lead with the stripe (or raised edge) is connected to the RED terminal and the other (smooth) lead is connected to the BLACK terminal.

External (Main) Speaker

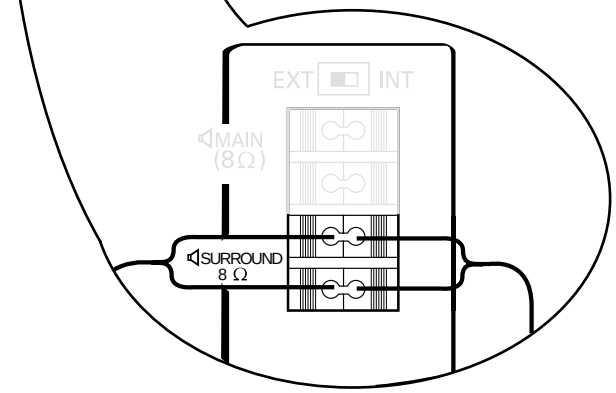
External (Main) Speaker

These are suggested positions only.
Place your speakers to suit and adjust the balance as necessary.



Surround Speaker

Surround Speaker



Surround Speakers

In order to enjoy the sensations of Surround Sound TV it is necessary to connect the two Surround Speakers. These speakers and cables are supplied and should be sited in line with the normal viewing position. To connect the Surround Speakers simply press the connector and insert the cable.

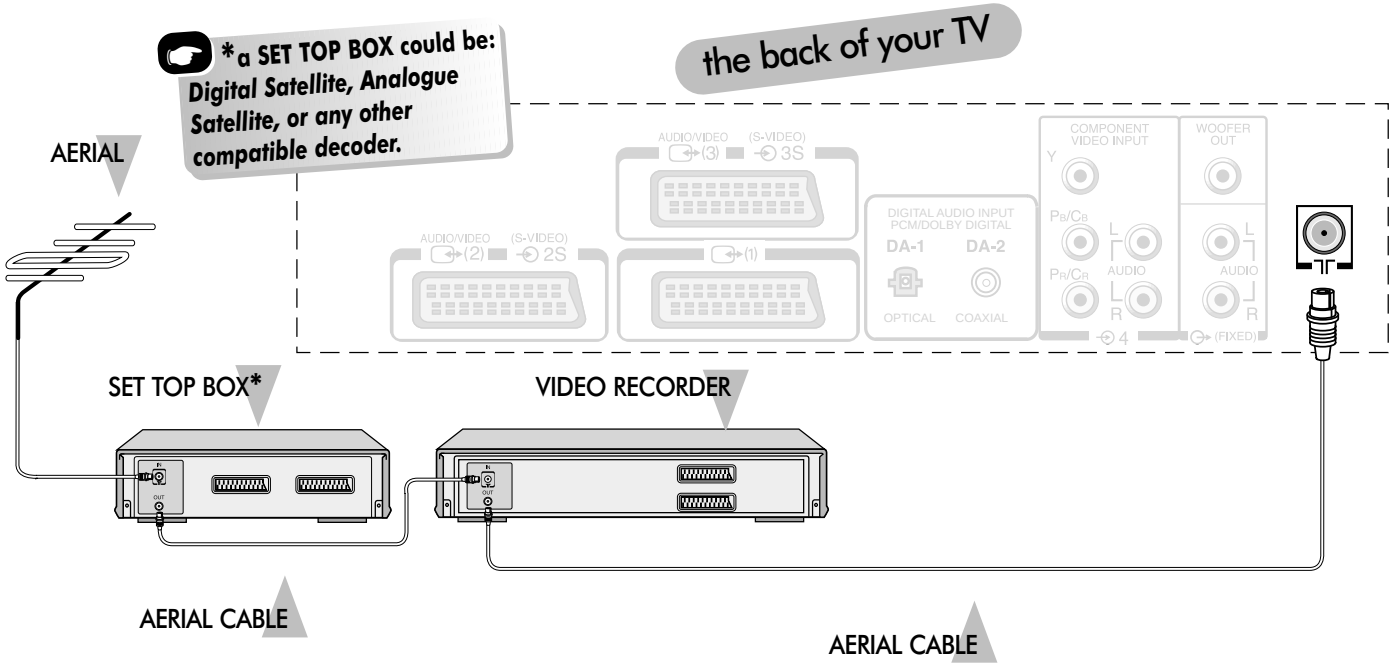
Connecting and turning on your new TV

To conserve energy it is best to turn your TV off and not to leave it in Standby, unless the timer has been set.

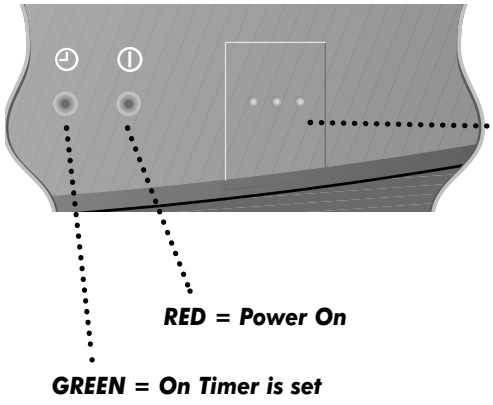
The TV back connections…

Connect the aerial to the socket on the rear of the television. If you use a Set Top Box and/or a video recorder it is essential that the aerial cable is connected through the Set Top Box and/or through the video recorder to the television.

DO NOT CONNECT SCART LEADS UNTIL THE TELEVISION IS FULLY TUNED.


*a SET TOP BOX could be: Digital Satellite, Analogue Satellite, or any other compatible decoder.
the back of your TV
AERIAL
SET TOP BOX*
VIDEO RECORDER
AERIAL CABLE
AERIAL CABLE

…and switching your new TV on…



On the front of the TV…

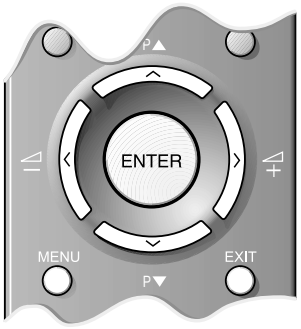
If the red power-on light is unlit, press the POWER button on the front of the TV to switch the set on and then press a number button on the remote control to see the screen.

…and with the remote control:

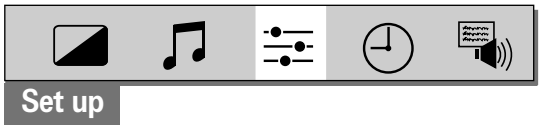
Press the Standby Button ⏻: This allows you to put the set into standby mode when leaving the TV unattended for short periods of time. To return to TV mode press the ⏻ button, or any of the numbered buttons on the remote control. The picture may take a few seconds to appear.

Choosing the language and system*, Auto tuning

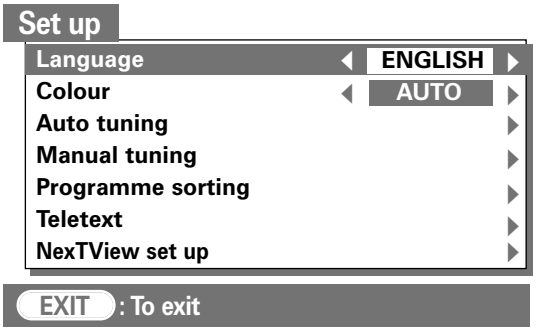
Before running ***Auto tuning*** turn on your Set Top Box and tune to a main channel. Also turn on the video recorder and set it to Standby. This will enable your television to allocate the necessary programme positions.



1 To choose your language, press the **MENU** button, and use the ❯ button to select **Set up** from the top bar.

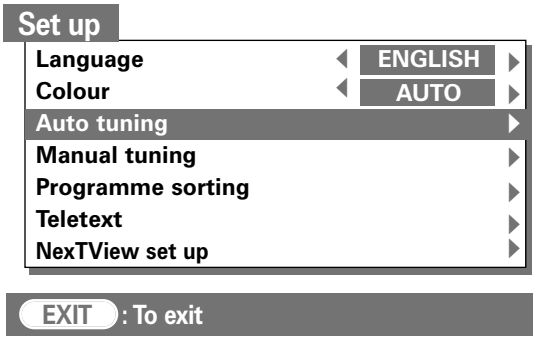


2 Now press the ❯ button to highlight ***Language*** in the **Set up** menu options.

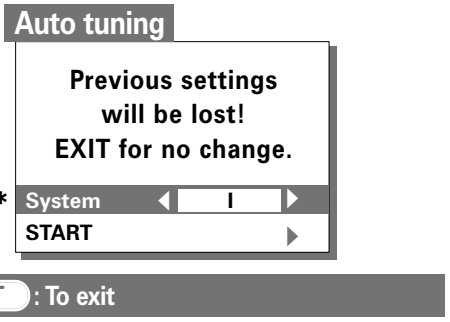


3 Press the ❮ or ❯ button to view the language options available. As you view each language, the wording on the menus will automatically change for you.

4 Now press the ❯ button to highlight ***Auto tuning***.



5 Then the ❯ button to go to the ***Auto tuning*** screen.



*You will need to choose the **System*** necessary for where you live.*

B/G – Continental Europe, D/K – Eastern Europe, I – UK, L1, L2 – France

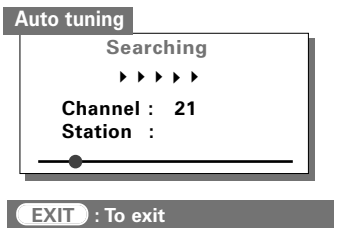
6 Press the ❯ button repeatedly to select your **System***:

7 *For Continental Europe:* With the ❯ button highlight **START** and then press the ❯ button.

For UK only: Press **ENTER** to start.

8 The search will begin for all available stations. ▶▶▶▶▶ will flash and the bullet will move along the line as the search progresses.

Allow the television to complete the search.



9 When the search is complete the TV will automatically return to programme position 1. This may not be a clear picture, so you may wish to change the station order, using ***Programme sorting***, *on page 10*.

! IF YOU HAVE FINISHED TUNING, YOU MAY NOW CONNECT YOUR SCART LEADS

If you wish to allocate a position for your video recorder, use ***Manual tuning***, *see page 9*.

* ***For Continental Europe only.***

Manually tuning your TV

As an alternative to ***Auto tuning***, you can tune-in your Toshiba television manually using ***Manual tuning***. For example: if you have used ***Auto tuning*** but wish to tune-in a station on another ***System*** (*see page 8*); if you are unable to connect the TV to your video with a Scart lead or, if your set top box was not recognised during ***Auto tuning***.

Manual tuning

…Your TV may display different **Channel** *numbers…*

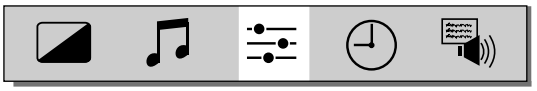
! If you cannot connect your television to the video recorder using Scart leads you will need to allocate a programme position on the television for the video recorder. Insert a pre-recorded tape and press PLAY on the remote control, then Manual tune…

These options will appear as you move across the screen.

Programme	System	Search	Programme skip/ Channel	Manual fine tuning	Station

Programme: The number to be pressed on the remote control.
System: Specific to certain areas.
Search: Search up and down for a signal.
Programme skip: * means nothing has been stored or the facility to *skip* the channel is ON. *See page 11.*
Channel: The channel number on which a station is being broadcast.
Manual fine tuning: Only used if you experience interference/weak signal. *See page 11.*
Station: Station identification. You can use the ^ and v or 〈 and 〉 buttons to enter up to seven characters.

1 From the top menu bar select **Set up** and with the v button highlight ***Manual tuning*** and the 〉 button to select.



Set up

Language	ENGLISH
Colour	AUTO
Auto tuning	
Manual tuning	
Programme sorting	
Teletext	
NexTView set up	

2 Using the ^ or v button, highlight the programme postion you require e.g. we suggest ***Prog. 0*** for your video.

Manual tuning

Prog.	Sys.	Channel	Station
0	I	60	VCR
1	I	22	BBC1
2	I	28	BBC2
3	I	25	ITV
4	I	32	CH4
5	I	*	

ENTER : To select EXIT : To exit

3 Press **ENTER** to select.

Manual tuning

System

0	I		60	0	VCR

ENTER : To store EXIT : To exit
MENU : To return

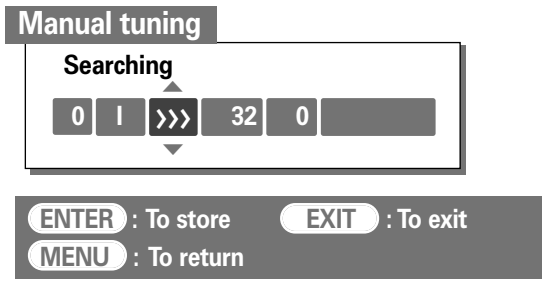
4 Press the 〉 button to select ***System*** and use ^ or v to change (*if required, see page 8*).

5 Press the 〉 button to select ***Search***.

Continues on the next page

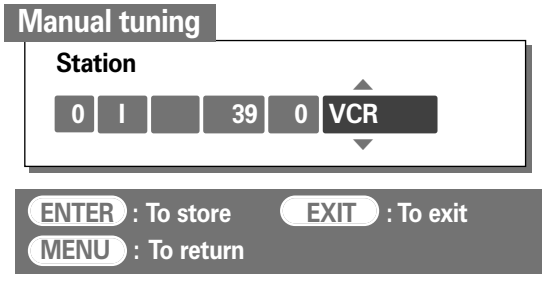
Manually tuning your TV continued
Sorting programme positions

6 Press the ^ button to begin the search. ***Searching*** will flash and the television will show the channel numbers whilst the search is progressing.



7 *On finding a signal it will show on the television, if it is not your video recorder, press the ^ button again to restart the search.*

8 When the signal from your video recorder is found, press the › button to move along to ***Station***. With the ^ , v , ‹ and › buttons, put in the required characters, e.g. **VCR**.



9 Now press **ENTER** to store.

10 Repeat for each ***programme position*** you want to tune, e.g. to tune your set top box to ***Programme Position 6*** press the ^ or v button repeatedly to select **6** then repeat from ***step 4***. Or, press **MENU** to return to the list of channels and select the next number to tune.

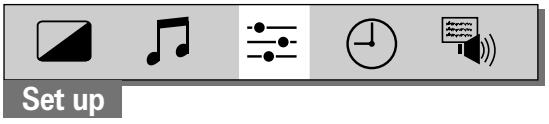
11 Press **EXIT** when you have finished tuning in.

PLEASE NOTE This TV has direct channel entry if the channel numbers are known. Select the ***Manual tuning*** screen in ***Step 3***. Enter the ***Programme number***, the ***System***, then the ***Channel*** number. Press **ENTER** to store.

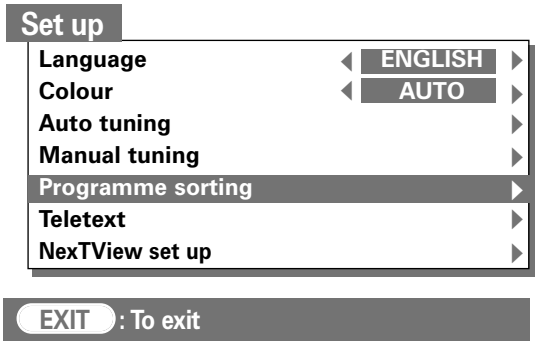
To sort programme positions

*After tuning, if you want to change the position of certain programmes you can. **Program sorting** is an easy way of storing each channel on the programme position of your choice.*

1 Press the **MENU** button and then the ‹ or › button to select the **Set up** option from the top bar.

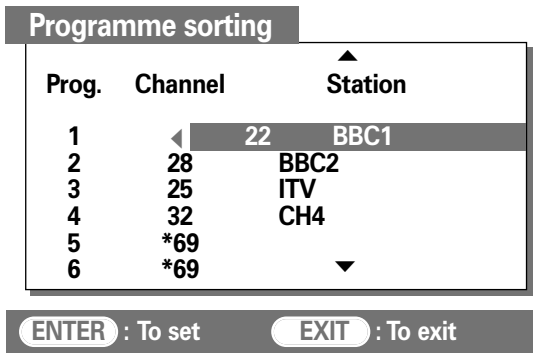


2 Press v to highlight ***Programme sorting*** and › to select.



3 The list of stations is now showing. With the v or ^ button highlight the station you want to *move* and press **ENTER** to select.

As you do so the selected station will be moved to the right of the screen.

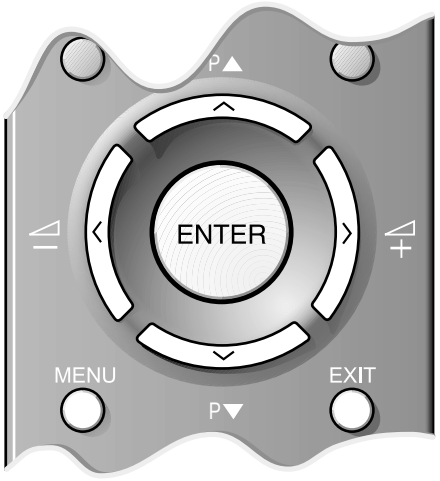


4 Use the v or ^ button to move through the list to your *preferred* position. As you do so the other stations will move to make room.

5 Now press the **ENTER** button to set your move.

6 Repeat as neccesary and then press **EXIT**.

Manual fine tuning and programme skip



Manual fine tuning

Manual fine tuning *should not be required unless you experience interference or a weak signal.*

1 Select ***Manual tuning*** from the **Set up** menu.

Manual tuning

Prog.	Sys.	Channel	Station
0	I	60	VCR
1	I	22	BBC1
2	I	28	BBC2
3	I	25	ITV
4	I	32	CH4
5	I	*69	

ENTER : To select EXIT : To exit

2 With the station highlighted, press ❯.

3 Press the ❯ button repeatedly until the words ***Manual fine tuning*** are showing.

Manual tuning

Manual fine tuning

1 I 22 + 2 BBC1

ENTER : To store EXIT : To exit
MENU : To return

4 With the ❮ or ❯ button adjust to get the best picture and sound.

5 Press **ENTER** to store and then **EXIT**.

Programme skip

To prevent certain programmes from being viewed, for example, a certain film by your children whilst you are out for the evening, you can skip the programme position and take the remote control with you. The television will still function as normal using the controls on the front of it, but the set will not show the skipped programme position.

1 Press the **MENU** button and from the top menu bar select **Set up**.

2 With the ❯ button highlight ***Manual tuning***. And press the ❯ button to select the ***Manual tuning*** screen.

Manual tuning

Prog.	Sys.	Channel	Station
0	I	60	VCR
1	I	22	BBC1
2	I	28	BBC2
3	I	25	ITV
4	I	32	CH4
5	I	*69	

ENTER : To select EXIT : To exit

3 Use the ❮ or ❯ to highlight the programme position to be skipped and press **ENTER** to select.

4 With the ❯ button move along to ***Programme skip***.

5 Use the ❮ or ❯ button to turn ***Programme skip*** : **On**. Press **ENTER** to store.

Manual tuning

Programme skip : On

2 I * 28 0 BBC2

ENTER : To store EXIT : To exit
MENU : To return

6 Then press the **MENU** button and either repeat from ***Step 3*** or press **EXIT** to finish.

Each programme position has to be INDIVIDUALLY selected and set with **Programme skip** **On** or **Off**.

The ***skipped*** programme positions ***cannot*** now be selected by the ▲ **P** ▼ buttons or by the controls on the front of the TV, but can still be accessed by the number buttons on the remote control. To turn ***Programme skip*** **OFF**, repeat the procedure on the chosen channel.

* on the screen indicates a skipped programme position.

General and sound controls

Subtitles

If subtitles are available for the programme you are watching, pressing the **F** plus **INFO** button will display them.

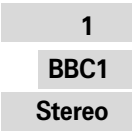
Selecting and changing programme position

Enter the desired programme position number using the numbered buttons on the remote control.

For programme positions *below* 10 use 0 and the required number *i.e.* 01 for programme position 1.

You can also change the programme position by using the ▼ **P** ▲ button or the ❯ or ❮ buttons.

The programme position will be displayed on the screen with the Stereo/Mono indicator, *described on p15.*



Sound control

Volume

Press the — + button or the ❮ and ❯ buttons to adjust the volume.

Sound Mute

Press the button to turn the sound off. Press it again and the sound will return.

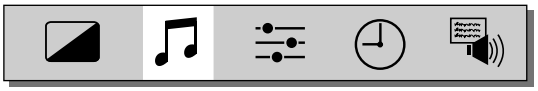
Bass Boost – to enhance the depth of sound

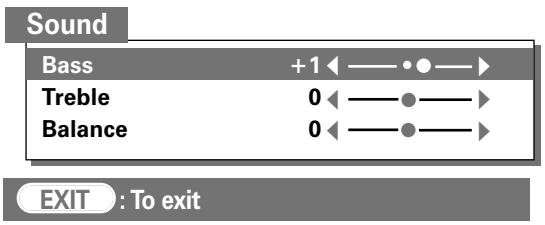
Press the button repeatedly to turn the ***Bass Boost*** on and off. Press the ❮ or ❯ button to adjust the effect.

When an active Super Woofer is connected the button will control it.

When you connect a Super Woofer, make sure you choose ***Woofer*** **EXT.** in the **AV Connection** menu.

Bass, treble and balance adjustments





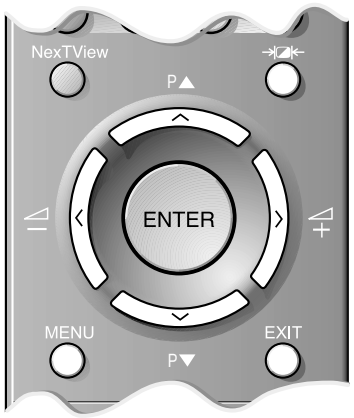
Press the **MENU** button on the remote control, and the ❮ or ❯ button to select the **Sound** option from the top bar.

Press the ❯ button to highlight ***Bass, Treble*** or ***Balance*** from the **Sound** menu and then the ❮ or ❯ button to change the setting.

Picture controls

This television offers you the choice of personalising the picture style to suit your own preferences.

Picture Preferences, Scan Mode and Digital Noise Reduction

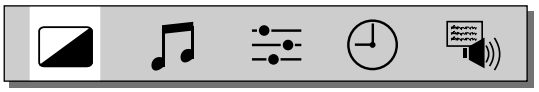


Picture preferences

By pressing the →◪← button you can view the different picture styles available:

Picture mode-1 to ***3*** for preset options and, ***Picture mode-M*** is for your own settings:

1 So, to set your own, choose **Picture** from the top menu bar.



Picture

Contrast	50	
Brightness	50	
Colour	50	
Tint	0	
Sharpness	0	
Scan mode		100Hz
DNR		AUTO

EXIT : To exit

Within this **Picture** menu you have the options to adjust the ***Contrast***, ***Brightness***, ***Colour***, ***Tint*** and ***Sharpness***.

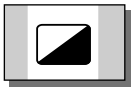
*The **Tint** can only be adjusted on a signal from an NTSC video recorder or DVD player when the television is in AUTO colour mode.*

2 Using the ❮ or ❯ button alter to suit your taste.

Scan Mode

Scan mode has two options, both are 100Hz and reduce background flicker. In most situations, the standard ***100Hz*** *setting will give the better picture. In cases of rapid movement, such as team sports, the* ***NATURAL*** *setting may give a smoother result.*

1 Select ***Scan mode*** from the **Picture** menu.



2 With the ❮ or ❯ button select between **100Hz** and **NATURAL**, to choose the picture you prefer – the difference may only be slight.

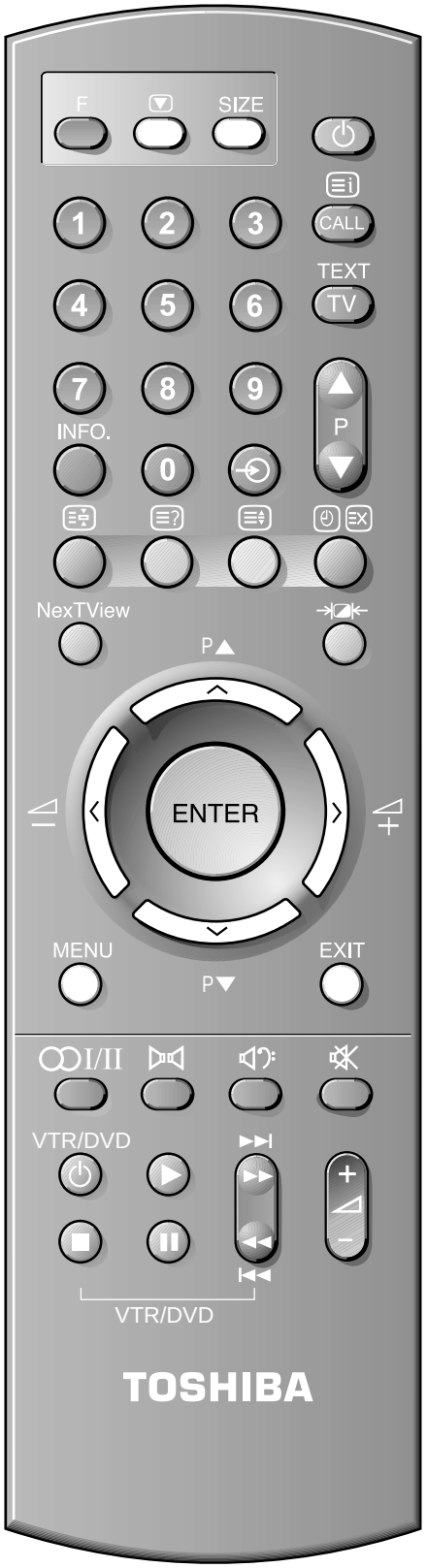
DNR – Digital Noise Reduction

DNR *enables you to 'soften' the screen representation of a weak signal.*

1 Select ***DNR*** from the **Picture** menu. Select between **AUTO** and **OFF** to obtain the best picture. The differences may not always be noticeable.

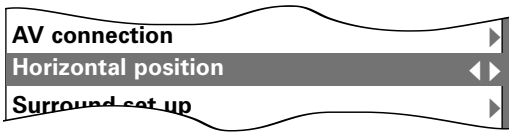
Picture controls continued

Horizontal position, Aspect Ratio and Still Picture



Adjusting the Horizontal position

1 From the top menu bar select **Feature menu** and with the ❯ button select ***Horizontal position***.



2 Then with the ❮ or ❯ buttons adjust.

Adjusting the aspect ratio

If the picture you are watching is out of proportion it can be changed.

1 Press the **SIZE** button to choose the proportions best suited to the picture on screen.

Still Picture

Using the latest technology this television's 100Hz double scanning plus digital picture processing produces a flicker-reduced picture. In addition, a still – similar to freeze frame on a VTR – can be held on the screen.

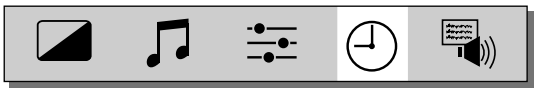
1 Pressing the ▼ button will hold an image on the screen. Press ▼ again to return to TV mode.

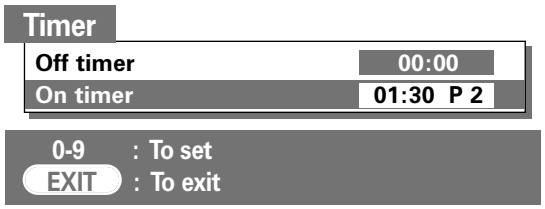
The timer, time display, panel lock and stereo/bilingual transmissions

The Timer

You can tell the TV to turn itself **ON** *or* **OFF** *after a certain time.*

1 Select the ***Timer*** option from the top menu bar.





2 Select the ***On timer*** (or the ***Off timer***). If, for example, you want the TV to turn ON (or OFF) in one and a half hours time, enter 01:30 using the numbered buttons on the remote control.

3 When setting the ***On timer***, you must enter the programme position number you want to watch. You must put the set into Standby mode by pressing the ⏻ button.

Any equipment connected with Scart leads must also be put into Standby mode to prevent them being displayed when the timer switches on.

When the ***On timer*** has been set, the GREEN On timer indicator on the front of the TV will be lit (*see page 7*).

If the **On timer** *has been set, you do not have to wait to watch the television. You can bring the set back to life by pressing the ⏻ button. However, the GREEN timer light will stay on until the set time period has passed, at which point the TV will go to the chosen channel.*

4 To cancel the ***On timer***, enter zero in each position including the programme position.

The Time Display

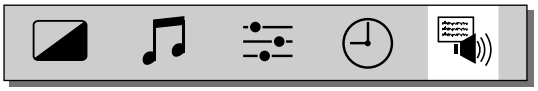
The time display facility allows you to see the current time on the TV screen.

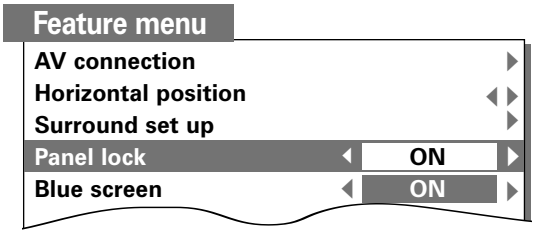
If you press the **F** button and the ⏲ button on the remote control whilst watching a normal TV broadcast you will see a time display from the broadcaster.
It will remain on the screen for about 5 seconds.

Panel Lock

Panel lock *allows you to disable the buttons on the front of the TV set. You can though, still use all of the buttons on the remote control.*

1 From the **Feature menu** select ***Panel lock*** and choose **ON** or **OFF** with the ❮ or ❯ buttons.





When Panel lock is ON, you will be reminded on the screen when you press any of the front panel buttons. Once the set has been switched off it can ONLY be brought out of standby using the remote control.

Stereo and Bilingual transmissions

If stereo or dual language broadcasts are transmitted the word Stereo or Dual will appear on the screen, disappearing after a few seconds. The display will reappear each time you change programme positions, provided that the broadcast is in stereo. If the broadcast is not in stereo the word Mono will appear.

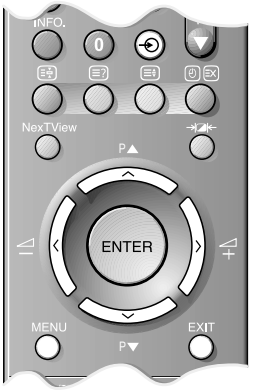
Stereo... Choose the required programme number. Press the ⧉ I/II button repeatedly, to select between ***Stereo*** and ***Mono***.

Bilingual... Bilingual transmissions are rare. If they are transmitted the word ***Dual*** *will display.* Choose the required programme number and if the word ***Dual*** *does* appear press the ⧉ I/II button to select between ***Dual 1***, ***Dual 2*** or ***Mono***.

AV connections and input selection

...Please see page 27 for a clear view of the back connection recommendations...

Defining your INPUT and OUTPUT sockets so that your television recognises connected equipment.



Most video recorders and Set Top Box receivers send a signal through the Scart lead to switch the TV to the correct *Input* socket. Alternatively you may select it with the external source selection button ⊕ on the remote control.

Digital Audio on the screen indicates that the external source has been set as a digital audio input, see below, an ***S*** e.g. ***EXT2S***, indicates the input is set for an S-Video signal.

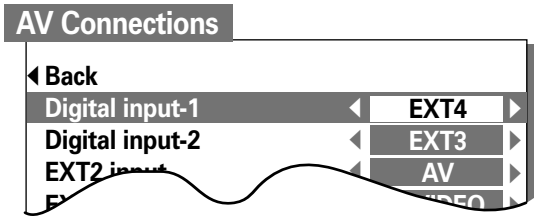
Input Selection

SELECTING THE DIGITAL AUDIO SIGNAL

This set is provided with 2 digital audio inputs – DA-1 and DA-2 – so that, for example, a DVD player and a games console can stay permanently connected.

Having connected the video signal from your DVD to, say, COMPONENT VIDEO INPUT (**EXT4**) and from your games console to Scart 3 (**EXT3**) you will now need to connect the audio cables to the inputs on the back of the set, then match the two up.

1 If you have connected to **DA-1** (optical), select ***AV connection*** from the **Feature menu** and press the ❯ button to highlight ***Digital input-1*** then with the ❮ or ❯ buttons, select the appropriate video input, for example **EXT4** for the DVD player.

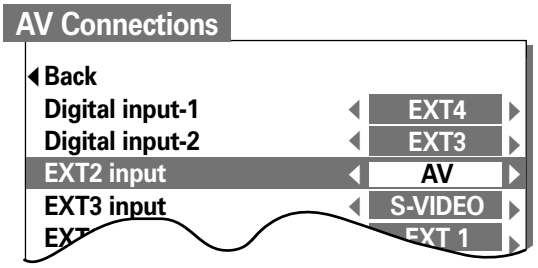


2 Then for the 2nd connection, press the ❯ button to highlight ***Digital input-2*** (coaxial) then with the ❮ or ❯ buttons, select the appropriate video input, for example, **EXT3** for the games console.

SELECTING THE VIDEO SIGNAL

This feature allows you to specifiy the type of signal going into **Scarts 2** or **3** on the back of the television and the sockets on the front (Input 3). **AV** is the most common and comes from standard video recorders and Set Top Boxes whereas **S-VIDEO** signals are less common. (Please refer to the manufacturer's specification.)

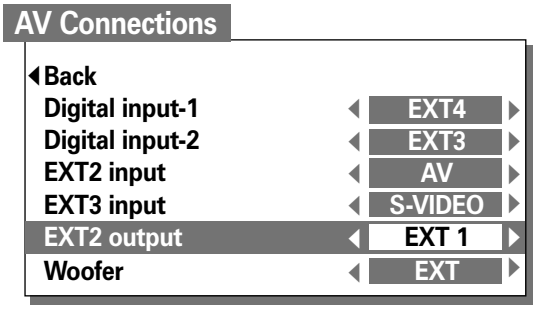
1 From the **Feature menu** select ***AV connection*** and with the ❮ or ❯ button select either **AV** or **S-VIDEO** as the required ***input*** for ***EXT2*** and ***EXT3***.



Selecting the **OUTPUT** signal for Scart 2

This feature enables you to select the source to *output* from Scart 2. e.g. If you connect a stereo Set Top Box to Scart 1 and a stereo video recorder to Scart 2, and select ***EXT1*** as the ***EXT2*** output (*i.e.* you will output the signal received through Scart 1 directly out to Scart 2), you will be able to record the stereo Set Top Box transmission in stereo.

1 Again, from the **Feature menu** select ***AV connection***.



2 Using the ❮ or ❯ buttons change the ***EXT2 output*** option to either **Monitor, TV, EXT1** or **EXT3**.
Monitor = The picture on screen
TV = The last television programme selection.
EXT1 or **3** = the picture from equipment connected to Scart 1 or Scart 3.

NEXTVIEW

Currently only available from some broadcasters

NEXTVIEW is an *electronic* programme guide – like a magazine TV guide, but actually *on* your television – giving programme information. From this advance information, you can choose a variety of options – among them, to view a chosen programme, to watch it later or programme your video to record it for you, giving you control to schedule your viewing.

! ***Your Video Recorder must be NEXTVIEW compatible, and connected to Scart 2 by a full 21 pin Scart lead.***

Setting up NEXTVIEW

! ***To enable recording, you must download programme position and tape speed information to your video. You must also have tuned and stored the NEXTVIEW station on your TV for the NEXTVIEW info to be supplied.***

1 Press the **MENU** button and from the **Set up** menu select ***NEXTVIEW set up***.

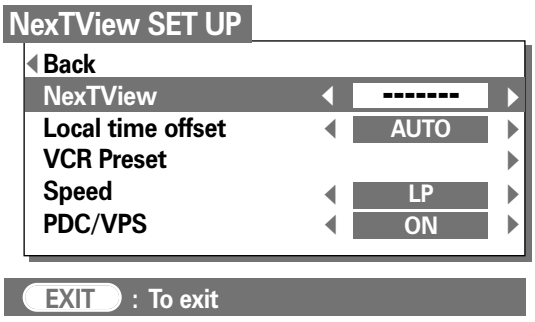
As well as ***NEXTVIEW***, you have the following options:

Local time offset,

VCR Preset,

Speed and

PDC/VPS:



Local time offset…

The factory preset is **AUTO** and should need no adjustment. If, when you have downloaded **NEXTVIEW**, the time shown at the bottom left corner of the screen is incorrect, use the ❮ or ❯ button to adjust to local offset accordingly. *If you manually set* **Local time offset** *you must remember to reset it every time the clock changes.*

VCR Preset…

Use the ❯ button to download the programme position information to your video recorder, **so your video will match your TV**. **You must download this information to your video and if you retune your TV or video, you must repeat the download** to be able to record.

SPEED…

Press ❮ or ❯ to choose between **SP** and **LP** to control the video tape speed. **SP** = Standard Play, **LP** = Long Play (about twice as much recording time but the picture quality may suffer).

PDC/VPS…

Press ❮ or ❯ to select **ON** so that the VTR will be instructed of any change to the start or end time of a broadcast. Now, if a programme runs longer than scheduled, you will not miss the end of it.

You can now search for a NEXTVIEW provider…

Searching for NEXTVIEW

If you know which provider you wish to use go to that programme position *before* you start.

1 In the **Set up** menu select ***NEXTVIEW set up***.

2 With ***NEXTVIEW*** highlighted, press the ❯ button to search for a channel providing NEXTVIEW. When a channel is found, the programme number will flash for a while. If this is *not* a NEXTVIEW provider, the search will continue.

3 If you are looking for a *different* provider, press ❯ to continue searching. On choosing a station, if it *is* a provider, the initial information will download into the TV's memory and the NEXTVIEW MENU screen will show.

4 Stay tuned to this station a little longer and more information will be downloaded.

5 If you want to choose a *different* provider once a NEXTVIEW screen is showing, repeat from **Step 1**.

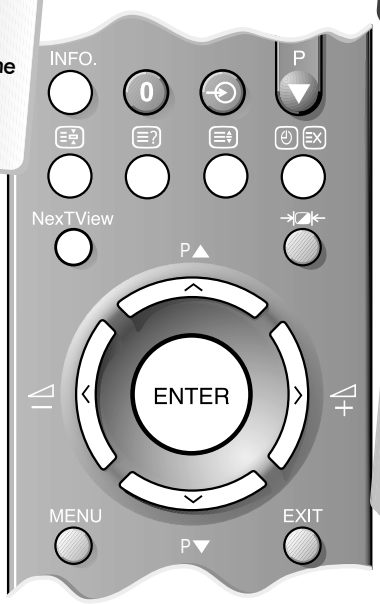
You are now ready to use NEXTVIEW. See over the page…

NEXTVIEW continued

Depending on the provider, the channel information available from NEXTVIEW can cover many channels. The TV will, however, only keep information on the channels you are tuned into and whilst the TV is ON.

Using NEXTVIEW

Press the **INFO** button to see a summary of information of the programme you are currently watching.



! If NEXTVIEW is not available when pressing the **NEXTVIEW** button, because the TV has been OFF or in Standby mode, return to the channel from which you first downloaded NEXTVIEW and wait a few moments for the information to be updated before pressing the **NEXTVIEW** button again.

1 To switch NEXTVIEW on (and off), press the **NEXTVIEW** button on the remote control.

2 At the bottom of the screen, there are coloured circles corresponding to the coloured prompt buttons on the remote control to select between **MENU**, **STATION**, **THEME** and **SCHEDULE**.

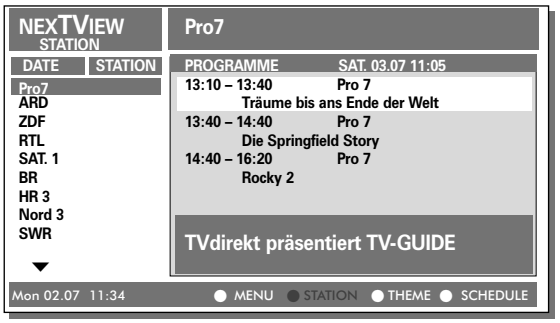
Once you have made your selection, the prompt button will turn grey to show which choice is current.

RED PROMPT – **MENU** – Introduces listings.

GREEN PROMPT – **STATION** – Provides a list of all the available programmes by station.

YELLOW PROMPT – **THEME** – Displays a list of programmes by themes.

BLUE PROMPT – **SCHEDULE** – Displays a list of your pre-selected programmes chosen to record/watch.



3 Whilst using **THEME** and **STATION** you can move up and down the list using the ^ and v buttons. The 〈 and 〉 buttons will move to the lists headed **DATE**, **STATION/THEME** and **PROGRAMME**:
DATE – Move up and down to the date and time you require and press the **ENTER** button.
STATION/THEME – Again, move up and down to your choice and press **ENTER**.

4 The programmes for your chosen **DATE**, **TIME**, etc. will be displayed in a list, on the right. Press 〉 to move into this list.

5 You can now set the TV to remind you that the programme is starting or instruct the VTR to record it. Use the ^ or v button to highlight your choice and then press **ENTER** to select. Again, with the 〈 or 〉 button, choose between:

VIEW **RECORD** **GO BACK**

The symbol, when chosen, will be highlighted.

6 With **VIEW** highlighted, press **ENTER** to add this symbol beside the programme you chose. The TV will now display an alert when the programme is about to start, and then take you directly to the programme, irrespective of which channel you are watching. Select **RECORD** to automatically download the programme information to your video.
When selecting **VIEW** or **RECORD**, *OK* will appear at the bottom of the screen. Select **BACK** to return to the previous screen.

! *The video must have been set-up and connected using a Scart lead.*

7 **SCHEDULE –** Any selections made will be added to the **SCHEDULE**. To view the **SCHEDULE**, press the **BLUE** prompt button. If you want to delete anything with next to it from this schedule, highlight the details and press **ENTER**. With 〈 or 〉, highlight the cancel symbol and press **ENTER**. *You cannot delete the symbol. The symbol will stay to remind you that you have to cancel the timer recording on the VTR itself.*

NEXTVIEW continued

Programme Displays and Symbols

Each programme display will include details such as the start and finish times, the broadcast channel, the programme title and a brief description.

If the broadcast is Widescreen, Surround sound, Stereo etc. you will see the relevant symbols.

I/II	2 Channel sound *(Bilingual)*	PAL+	PAL+
	Stereo	LIVE	Live Programme
	Surround Sound		Repeated Programme
	Widescreen		Subtitle Available

for example, stereo…

When looking for information, you can search by STATION, THEME (sports, art, etc.) or DATE and TIME.
When you have found a programme, you can: View it, add it to the Schedule to watch later or programme your VTR to record it.
The NEXTVIEW provider is responsible for the *content* of the guide.
Your TV set is responsible for the *presentation*, i.e. the menu structure and navigation.
You can only choose one NEXTVIEW provider.

Indicators

These symbols will appear in the lower part of the screen display, and are designed to help you use the NEXTVIEW service.

OK	Instruction accepted
	Instruction NOT accepted *(see below)*:

	Not connected to video. Video is not on. Video is not NEXTVIEW compatible. Check Scart Lead connections.
	Timer overlap or No free timer available
	Tape protected or tape not present
	Other reasons – check your video

POINTS TO REMEMBER…

…if you press the NEXTVIEW button and NEXTVIEW is unavailable, change channels to your NEXTVIEW provider and wait a minute or so before pressing the NEXTVIEW button again to allow the information to be updated – you will need to do this if the TV has been turned OFF or put into the Standby mode…

…Data will be cleared from memory if you re-tune the channel on which you access your provider. You will have to search for and store the channel again…

…If you are unable to instruct a recording it may be that the programme has already started or the *Local time offset* needs adjusting.

Dolby Digital

Dolby Digital is available from DVD players, some games console players, etc. These must be connected using a Scart or phono lead for the picture **AND** an optical or a coaxial cable for the sound *see page 27*.

Dolby Digital

Arrange the speakers around your normal viewing positions (as shown on page 6) and then make sure that the TV is set up as follows:

1. The DVD/Games console is connected to the TV using phono leads to the COMPONENT VIDEO INPUT or a Scart lead to Scart 3, ***and*** an optical or coaxial cable to the optical/coaxial sockets, DA-1 or DA-2.

2. The ***Digital input-1*** (optical)/ ***Digital input-2*** (coaxial) in the **AV CONNECTION** menu (*see page 16*) is set to **EXT3** if Scart 3 is used or **EXT4** if the equipment is connected to COMPONENT VIDEO INPUT.

3. If external front speakers are connected (EXT ▭ INT) the external switch (found on the back of the TV) is set to **EXT**. You will not hear the centre channel without external front speakers connected.

4. Rear speakers are connected and the ***Rear speaker*** option in the ***Surround set up*** menu is set to **YES**. *(See next page.)*

DELAY TIME...

If you sit a long way from the TV and close to the rear speakers the sound from the rear will reach you before the sound from the front. You can use a higher setting in the ***Delay time*** *option to restore the correct balance.*

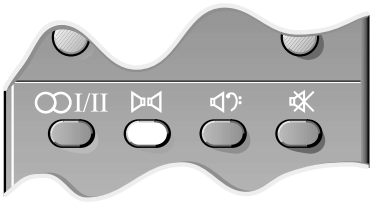
1. From the **Feature menu** select ***Surround set up***.

2. With ***Delay time*** highlighted, use the ❮ or ❯ button to change the setting to a value that suits you.

3. Press **EXIT** when you have finished.

! ***If rear speakers are NOT selected in the Surround set up menu, you will not hear any sound from your rear speakers.***

Adjustments



1. Set the ***volume*** and ***balance*** of the front speakers to your preference.

2. Play a Dolby Digital source and press the ▷◁ button on the TV's remote control. The title, e.g. **Dolby Digital 3/2**, is an indication of the channels available from your current sound source, see the table.

3. To adjust the levels, use the ❮ or ❯ button to select the centre and two rear speakers in turn. Press either the ❮ or ❯ button to adjust. The number of adjustable speakers will depend upon the signal received from the DVD player.

4. To cancel the test press the **EXIT** button.

! ***Alternatively, use the Test mode in the SURROUND SET UP menu.***

If the DVD playing is recorded in Dolby Pro Logic, i.e. 4 channel stereo (front left, front right, centre and rear) the TV will detect the 4 channels.

In this instance, when the **Surround Test Mode** *is run the TV will cycle through the four channels in use.*

In order to get full Dolby Digital, the DVD player must be connected using the coaxial or optical links.

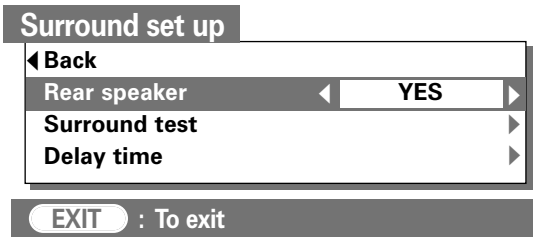
Dolby Digital

1/0 = Centre speaker only.
2/0 = Front Left and Front Right only.
2/1 = Front Left and Front Right + Rear Left and Rear Right combined.
2/2 = Front Left and Front Right + Independent Rear Left and Independent Rear Right.
3/0 = Front Left and Front Right and Centre. No Rear Speakers.
3/1 = Front Left and Front Right and Centre + Rear Left and Rear Right combined.
3/2 = Front Left and Front Right and Centre + Independent Rear Left and Independent Rear Right.

Dolby Pro Logic

Dolby Pro Logic – available on many TV broadcasts in addition to video tapes. Uses a combination of 4 speaker channels – front-left, centre, front-right and two rear. If external front speakers are not connected, the left and right front channels will be delivered through the speakers in the TV and you will not hear a centre channel.

Dolby Pro Logic



1. From the **Feature menu** select ***Surround set up***.
2. Using the ❮ or ❯ buttons turn ***Rear speaker*** to **YES**.

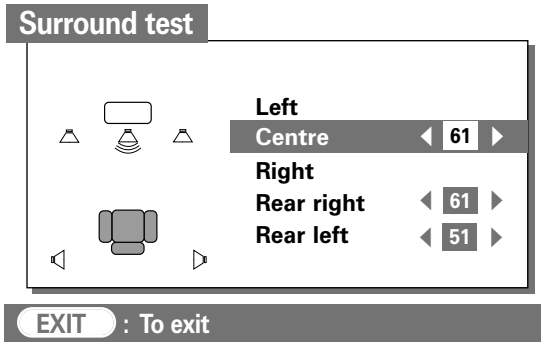
> ! ***YES*** in the ***Rear speaker*** option must be chosen for the ***Test Mode*** below to function…

Surround Test Mode

> ! **Remember...** Check that Rear speakers are connected and the ***Rear speaker*** option in the **Surround set up** menu is set to **YES**.

> ! If you cannot connect rear speakers try Dolby 3 Stereo, but you must have external front speakers connected and the external switch set to **EXT**.

1. Sit in your usual viewing position.
2. Press the ▷◁ button to bring up the **Surround** menu. With ***Dolby Pro Logic*** selected, **EXIT** and go to the **Feature menu** to select the **Surround test** from the ***Surround set up*** menu.



3. Use the ❮ and ❯ buttons to adjust.

> ☛ ***The test will play a 'white noise' through each speaker in turn. The display will show you which speaker is in play, adjustments may be made whilst it is highlighted. The Centre channel will only be adjustable once the external switch has been set to EXT.***

> ! *Inserting the headphone jack will mute the sound from all speakers and deliver a normal stereo left and right signal. There are no Dolby Digital or Surround effects available when using headphones.*

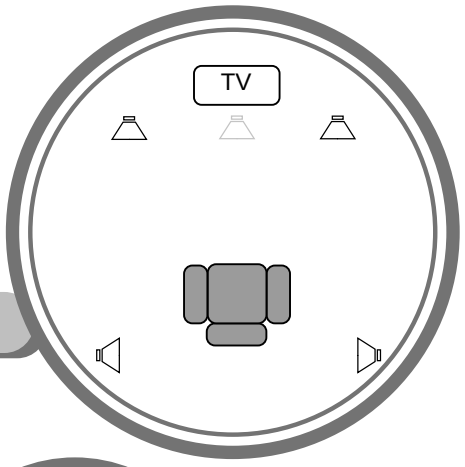
Digital Surround Processor

Please note: **Hall**, **Theatre**, **Disco**, and **Stadium** effects are only available on a stereo signal. **Pseudo surround** works on both mono and stereo signals. All of the Digital surround modes are adjustable, the method of adjustment being described below, is the same for all the Digital Surround effects.

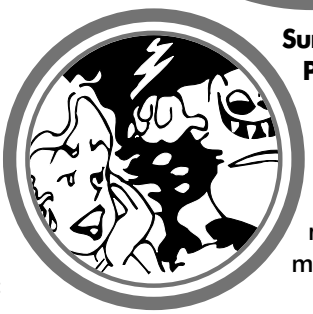
1. Press the ▷◁ button to bring up the **Surround** menu.
2. Press the ∧ or ∨ button repeatedly to select the digital mode which best suits the type of broadcast.
3. Then press the 〉 button to access the adjustments screen and with the ∧, ∨, 〈 and 〉 buttons, adjust the levels as required.

…if you choose to adjust one **Digital Surround** *mode, you will not effect the others.*

SURROUND SOUND uses a combination of 4 speakers – front-left, front-right and two rear speakers.



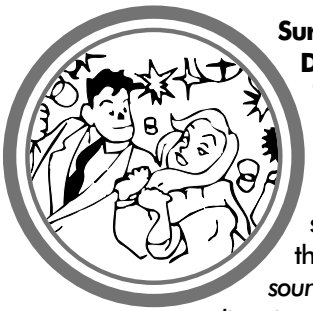
Surround Sound: Hall
To reproduce in the living room the surround effects similar to those experienced in a large concert hall. *Ideal for TV programmes or music video tapes.*



Surround Sound: Pseudo
To create a synthetic sound effect for movies and TV shows recorded in mono.

Surround Sound: Theatre
To reproduce the surround effects similar to those experienced in a movie theatre filled with a rich warm sound. *Ideal for movies with stereo sound.*

Surround Sound: Stadium
To reproduce the surround effects similar to those experienced in a large football or baseball stadium packed for a live game.



Surround Sound: Disco
To create the atmosphere of a room so full of music that it seems to engulf the listener. *An ideal sound mode for listening to pop videos.*

Surround Sound: Off
Uses only the front left and right speakers. This mode can be selected for watching news broadcasts and the like which require no special sound features.

Teletext – setting up

This TV has a 500 page teletext memory, which takes a few moments to load and it offers two ways of viewing text – **AUTO** and **LIST** which are explained on the next page.

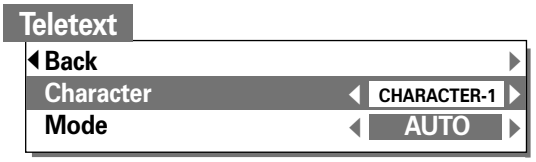
Selecting the character set and viewing mode and general information

Selecting characters and modes

*Before using teletext you can choose the correct alphabet (**Character**) and whether to view in **LIST** or **AUTO** mode, (explained on the next page).*

1. From the **Set up** menu, use the ❮ or ❯ button to highlight ***Teletext*** and then the ❯ button to select.

2. With ***Character*** highlighted, use the ❯ button to select your required character set: ***CHARACTER-1*** or ***CHARACTER-2***:



CHARACTER-1 for Western European countries and Turkey

CHARACTER-2 for Eastern European countries

3. To select the ***Mode***, with the ❯ button highlight ***Mode***.

4. With the ❮ or ❯ button choose **AUTO** or **LIST**.

5. Press **EXIT** to finish.

About teletext

The TEXT TV button:

Pressing the **TEXT TV** button once will bring up the teletext screen. Press again to superimpose the teletext over a normal broadcast picture. Press again to return to normal TV mode. You need to return to normal viewing if you wish to change channels.

When you first press the **TEXT TV** button to access the text service, the first page you see will be the *initial* page.

In **AUTO** mode this displays the main subjects available and their relevant page numbers.

In **LIST** mode you will see whichever page number is currently stored on the **RED** button.

To access any teletext page, enter the 3 digit page number, using the numbered buttons on the remote control, *e.g. 430*.

To advance to the next page of teletext, press the **P ▲** button, to go back to the previous page press the **P ▼** button.

Sub-pages

Once in this chosen page, there may be *sub-pages*. In this case, a bar with numbers will appear along the bottom of the screen.

The *sub-page* you are *viewing* will be highlighted and, as the television loads any additional *sub-pages* the colour of the numbers will change, indicating that these pages have been loaded and can be accessed.

You will then be able to view these loaded pages as you wish using the ❮ and ❯ buttons.

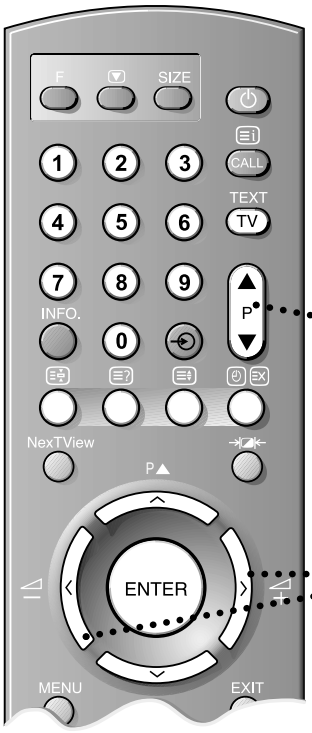
These *sub-pages* will remain available to view until you choose another page or, in normal TV mode, you change channel.

Teletext continued over the page…

Teletext continued – *Auto* and *List* modes

Moving around the teletext pages in **AUTO** and **LIST** modes and selecting favourite pages

Moving around



*Accessing **main** pages*

*Accessing **sub-pages***

There are two ***Modes***: **AUTO** will display **FASTEXT**, if available. **LIST** will display your four favourite pages. In either mode, as an alternative to the coloured buttons you can access a page by entering a 3-digit number, using the buttons on the remote control.

Auto

Press the **TEXT TV** button to access teletext.

In **AUTO** mode, if **FASTEXT**, *is* available, you will see four coloured titles at the base of the screen.

To access one of the four given subjects, press the relevant coloured button on the remote control, corresponding to the title.

For further information on your particular text system(s), see the broadcast teletext index page or, consult your local Toshiba dealer.

List

In **LIST** mode, the four choices at the bottom of the screen are now numbers – 100, 200, 300 and 400, which have been programmed into the TV's memory.

To view these pages use the coloured prompt buttons *e.g.* press the **GREEN** button to view page 200.

If you want to *change* these stored pages press the coloured button for the colour you want to change, *e.g.* **GREEN** and enter the 3 digit number.

This number will change in the top left of the screen and in the coloured highlight.

Now press **ENTER** to store your choice. The bar at the bottom of the screen will flash white.

If you do not press **ENTER** to confirm your change, you will not have stored your choice and it will be forgotten when you leave the teletext screen.

You may view other pages by simply entering the 3 digit page number – but DO NOT press **ENTER** or you will lose the favourite already stored.

Whenever you press **ENTER** all four page numbers showing along the bottom will be stored and the previous ones will be lost.

Moving around the pages

In both **AUTO** and **LIST** modes.

Use the ∧ and ∨ buttons or the ▼ **P** ▲ button to go to the next or previous main page.

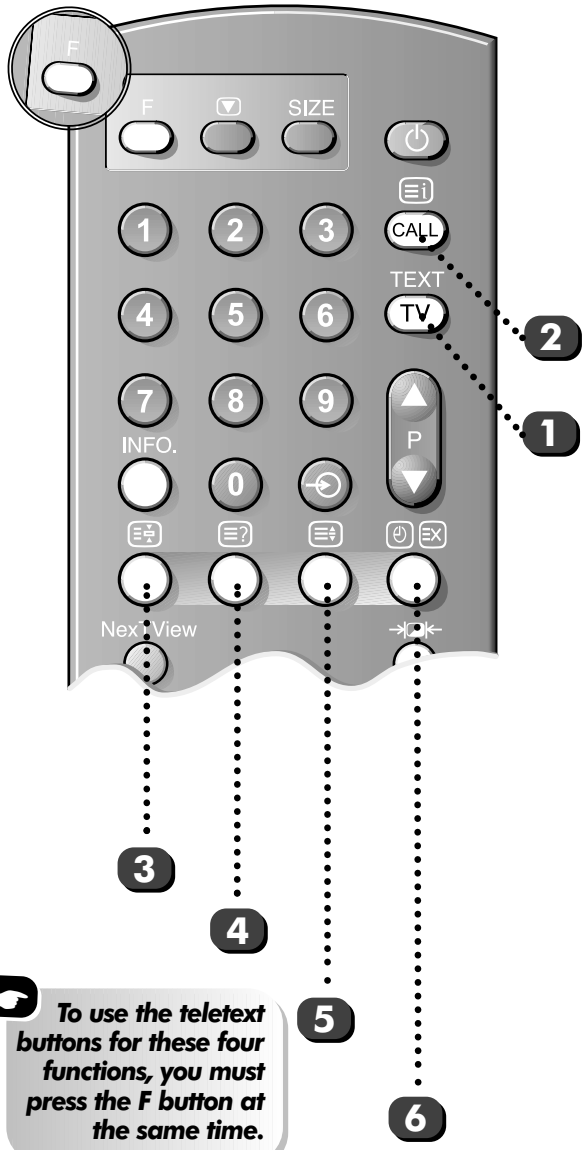
If there are *sub-pages* use the ❮ and ❯ buttons to move left and right along the number bar at the bottom of the screen.

The rest of the text control buttons are explained on the next page…

Teletext continued – control buttons

Now you have set up teletext, below is a guide to the remote control teletext buttons and their functions.

Using the buttons on the remote control



To use the teletext buttons for these four functions, you must press the F button at the same time.

Remember to cancel text before changing channels – press the TEXT TV button twice.

If subtitles are available for the programme you are watching, pressing the F plus INFO button display will them.

1 **TEXT TV** To display a page of teletext:

Press the **TEXT TV** button to display teletext**.** Press again to superimpose the teletext over a normal broadcast picture. Press again to return to normal TV mode. You cannot change programmes until you return to normal TV.

2 *To display an index/initial page:*

In **AUTO**-mode
Press the button to access index pages. The one displayed is dependant on the broadcaster.

In **LIST**-mode
Press the button to return to your page currently stored on the **RED** button.

3 **F** *and* *To hold a wanted page:*

This feature is included as it is part of the broadcast teletext system but you will not need it as this TV allows *you* to control the display of *sub-pages*.

4 **F** *and* *To reveal concealed text:*

Some pages cover topics such as quizzes and jokes. To discover the solutions press the **F** and the buttons.

5 **F** *and* *To enlarge the teletext display size:*

Press the **F** and the buttons once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to the normal size.

6 **F** *and* *To select a page whilst viewing a normal picture:*

When in teletext mode, if a page selection is made and then the **F** and the buttons are pressed, a normal picture will be displayed. The TV will indicate when the page is present by displaying the page number at the top of the screen. Press the **TEXT TV** button to view the page.

To display news flashes:
To view news flashes as they are broadcast, select the news flash page for the particular teletext service (see the index page of teletext service). Press the **F** + the button. The news flashes will be displayed as and when they are broadcast. Press the **F** and the buttons to cancel the display.

You must cancel the news flash page before changing channels.

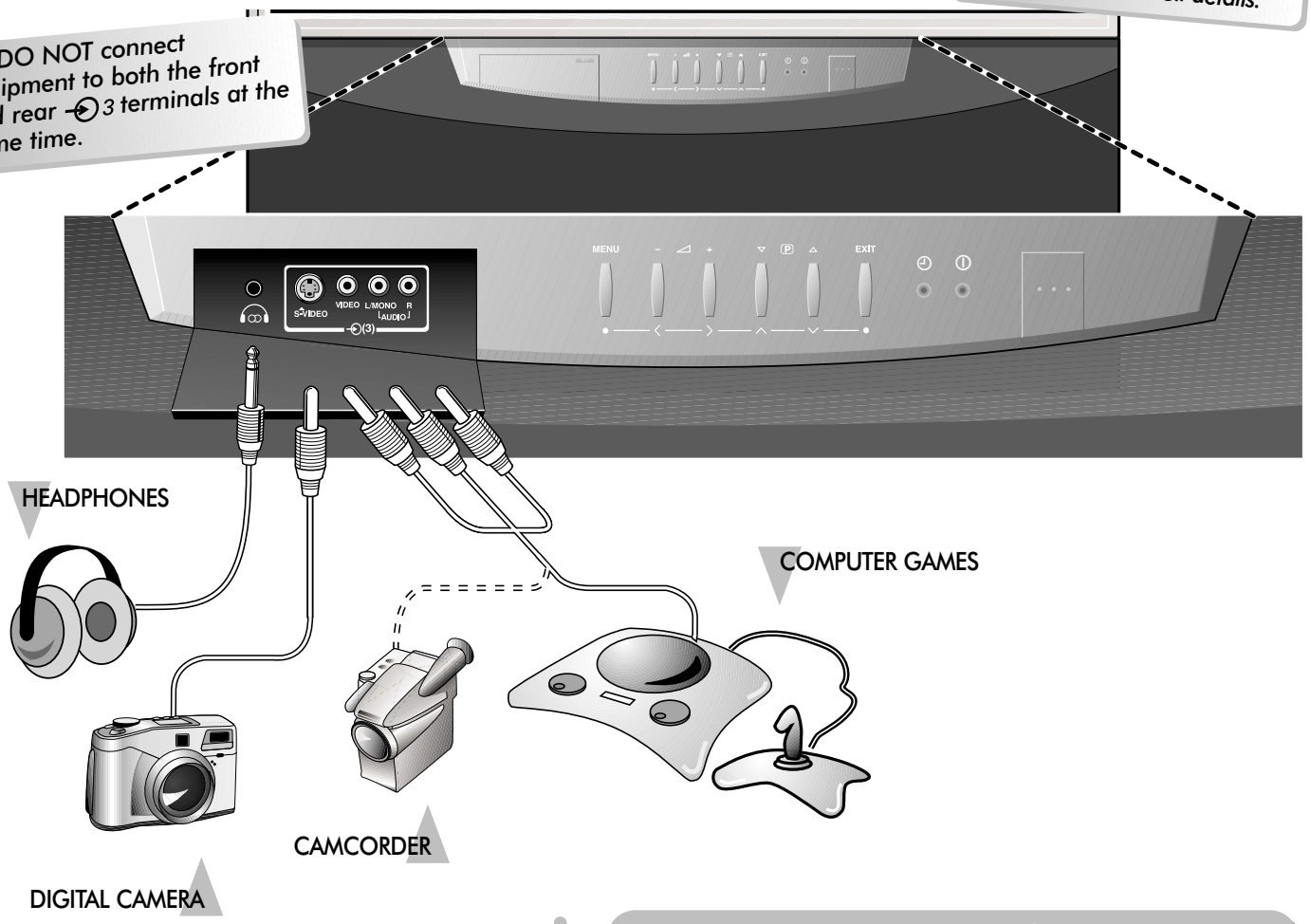
Front connections and controls

You can connect a wide variety of external equipment via the sockets located behind the flap on the *front* of the TV. Press the top right of the flap to open it.

Front connections

Please always refer to the owner's manual of the equipment to be connected for full details.

DO NOT connect equipment to both the front and rear ⊕3 terminals at the same time.



Before connecting any external equipment, turn off all main power switches.

If you connect mono sound equipment to ***Input 3***, connect the audio output of the equipment to the L/Mono socket on the TV.

To select the front Inputs, press the ⊕ button until the display shows ***EXT3*** or ***EXT3S*** as described on *page 16*.

Please note: Inserting the headphone jack will mute the sound from all speakers.

Front controls

Whilst all the necessary adjustments and controls for your new TV are made using the remote control, the buttons on the front of the TV may be used for some functions…

For example, to *alter the volume* press the — ◿ + buttons,

and *to alter the programme position* press the ▼ Ⓟ ▲ buttons…

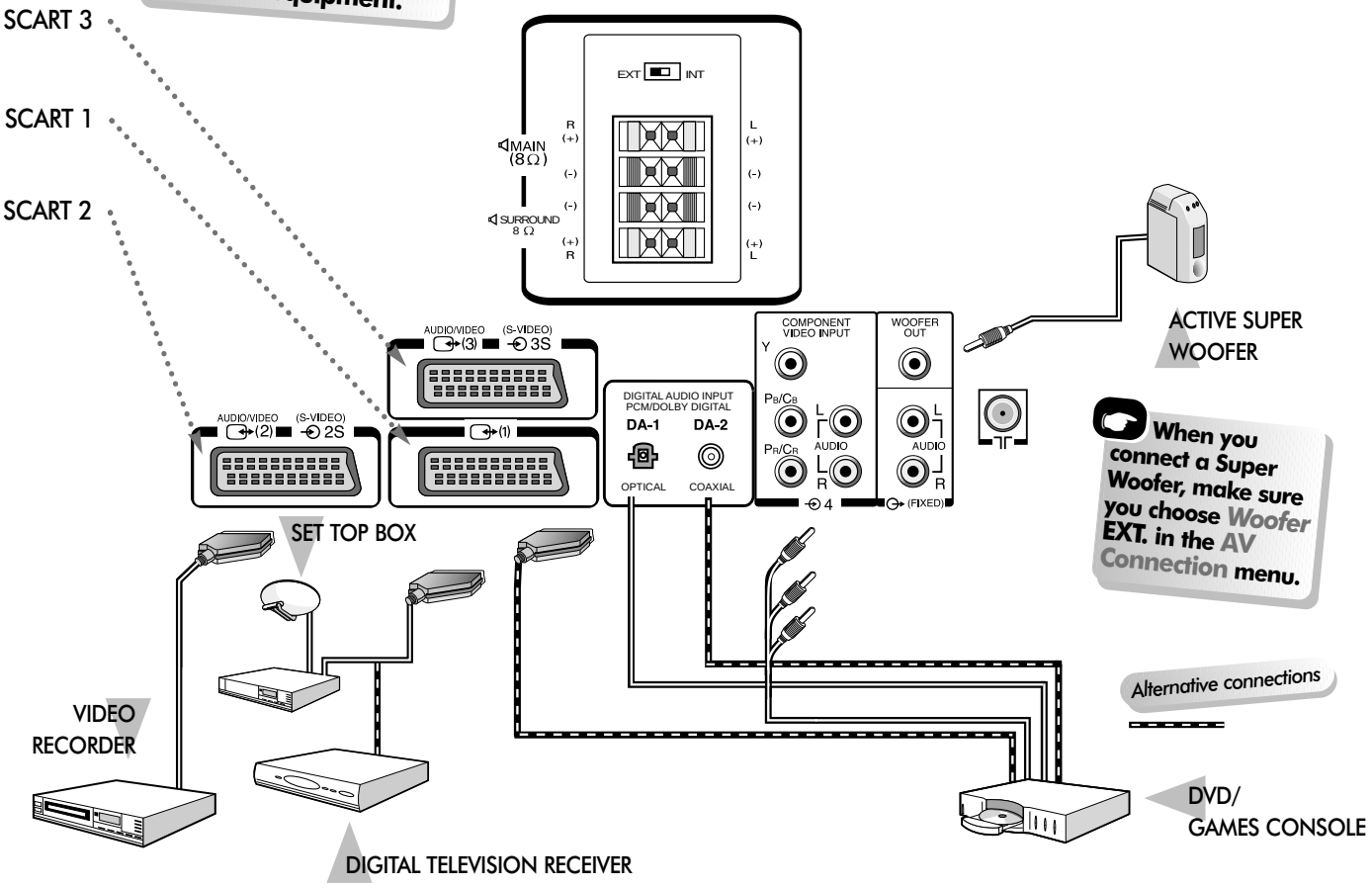
…press the **MENU** button and control the sound and picture options with the + — and ▼ Ⓟ ▲ buttons.

Use **EXIT** to cancel the displays.

Back connections

Back connections

We recommend *Scart 1* for a Set Top Box, *Scart 2* for a VTR and Scart 3 for additional equipment.



Before connecting any external equipment, turn off all main power switches.

On the back of the TV are 3 Scart sockets and a selection of phono sockets, all of which will enable you to connect a variety of external equipment.

If connecting S-VIDEO equipment, set the **INPUT** for ***EXT2*** or ***EXT3*** accordingly. *See page 16.*

In addition there is a fixed external audio output which enables the connection to a suitable Hi-Fi unit and a phono socket to enable an active Super Woofer to be connected. **When you connect a Super Woofer, make sure you choose *Woofer* EXT. in the AV Connection menu.**

If your TV automatically switches over to monitor the external equipment you can return to normal TV simply by pressing the desired programme position button.

To recall the external equipment, press the ⊕ button repeatedly to select between ***EXT1***, ***EXT2***, ***EXT3*** or ***EXT4***.

To return to normal TV press one of the numbered buttons on the remote control.

To return to watching external equipment press the ⊕ button again.

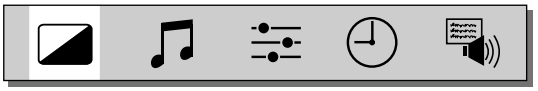
The on-screen menus

Press the **MENU** button on the remote control to see your top menu bar. This white menu bar will show five different topics shown in symbols. As you select each symbol by pressing the ❮ or ❯ button, its respective options will appear below. To use the options press the ❯ button on the remote control to move you down through them.

Using the Menus

The functions of each menu are described in detail throughout this Manual.

The PICTURE Menu

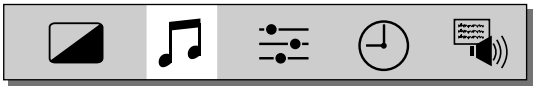


Picture

Contrast	50
Brightness	50
Colour	50
Tint	0
Sharpness	0
Scan mode	100Hz
DNR	AUTO

EXIT : To exit

The SOUND Menu

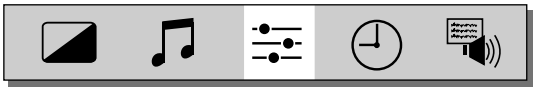


Sound

Bass	00
Treble	0
Balance	0

EXIT : To exit

The SET UP Menu



Set up

Language	ENGLISH
Colour	AUTO
Auto tuning	
Manual tuning	
Programme sorting	
Teletext	
NexTView set up	

When watching a TV broadcast...

EXIT : To exit

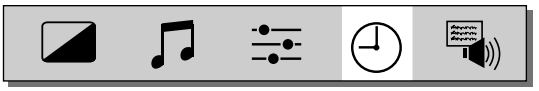
Set up

Language	ENGLISH
Colour	AUTO
Teletext	
NexTView set up	

When watching an external source...

EXIT : To exit

The TIMER Menu



Timer

Off timer	00:00
On timer	00:00 P 2

0-9 : To set
EXIT : To exit

The FEATURE Menu

Feature menu

AV connection	
Horizontal position	
Surround set up	
Panel lock	OFF
Blue screen	ON
Convergence	

EXIT : To exit

...For quick reference to topics, see the INDEX at the back of this manual.

Questions and Answers...

If you experience what seem like problems operating your TV, we recommend you read through these simple checks.

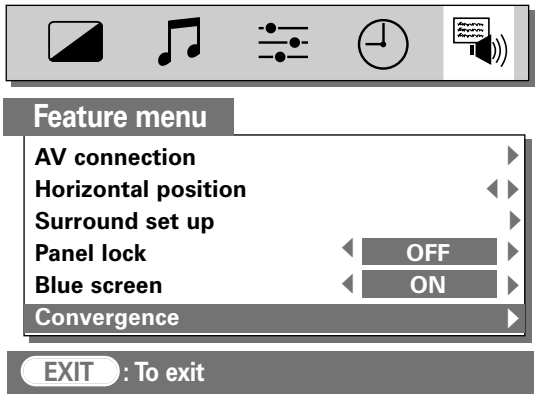
Q *Why is the screen fuzzy, and the colours not clear?*

A On this television the red, green and blue images are projected separately onto the screen. They converge to form a full colour picture and when they converge correctly you will see a clear screen. It is especially apparent when viewing cartoons.

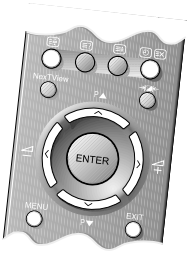
The colour convergence is factory set and should need little or no adjustment. However, convergence may drift over time or if you move the TV.

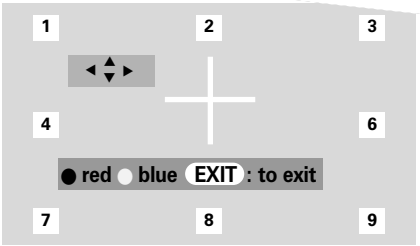
To realign the colour…

1 From the **Feature menu** select ***Convergence***.



2 To adjust the colours, press the RED or BLUE button to select RED or BLUE and then the ❮ or ❯ and ❮ or ❯ buttons to adjust until the white cross has no 'shadow'.





3 Press the **EXIT** button to go back to the TV screen to check the picture. If more adjustment is needed, simply repeat ***steps 1*** and **2** above.

If the edges of the screen are not right, select the numbers in turn e.g. number 1 to select the top left hand corner of the screen, and repeat ***step 2***.

4 Press **EXIT** to finish.

Q *Why is there no sound or picture?*

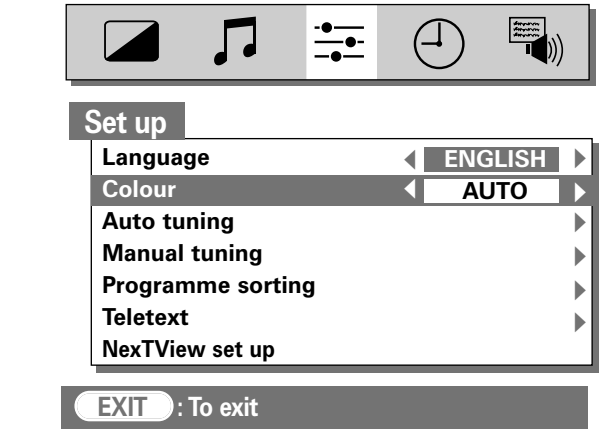
A Check that the mains switch is on and check all the connections. Press the Standby button ⏻ on the remote control to make sure that the TV is not in Standby mode.

Q *There IS a picture, but why is there little or no colour?*

A *There is little or no colour…*
When using an external source, for instance, a poor quality video tape, if there is little or no colour, improvements may sometimes be achieved. The television is factory set to **AUTO** in the **Set up** menu to automatically display the best colour system.

To check that you have the best colour…

1 From the **Set up** menu select ***Colour***.



2 With the ❮ or ❯ button, choose between **AUTO, PAL, SECAM, NTSC 4. 43** or **3. 58**.

Q *Why are there distorted images/faded colours?*

A This is sometimes due to condensation if the room temperature rises rapidly or if the TV is moved from a cold room to a warm room. If you leave the set turned on for a while this should improve images.

Q *Can anything else cause a poor picture?*

A Yes, interference or a weak signal. Try a different TV station.

Manual fine tuning may help.

Questions and Answers... continued

Q *Why can't I see the video tape I am playing?*

A Make sure you have connected the VTR to the TV using a ***Scart lead*** and then select the correct input using the ⇥ button.

Q *Why is the video recorder picture in black and white?*

A The ***input*** socket maybe set to **S-Video** in the **AV CONNECTION** menu.

Q *Why is the video picture good but there is no sound?*

A Check Scart lead connection.
Check ***Digital input*** **OFF**. See ***AV connections***.

Q *Why doesn't the remote control work?*

A Check that the batteries aren't dead and that they are inserted correctly.

Q *I have a picture, but why have I no sound?*

A Press the volume button + ◿ or the sound mute 🔇 button.

Q *Why am I having problems with teletext?*

A Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the Text is unreadable or garbled, check your aerial. Go to the *main index* page of the teletext service and look for the *User Guide*. This will explain the basic operation of teletext in some detail. If you need further information on how to use text *see the teletext section.*

Q *Why don't the controls on the front of the TV work?*

A Check that ***Panel lock*** is not **ON**.

Q *Why is there a message permanently on the screen?*

A Remove it by pressing the **CALL** button.

Q *Why doesn't my External Super Woofer work?*

A When you connect a *Super Woofer*, make sure you choose ***Woofer*** **EXT**. in the ***AV Connection*** menu.

Q *Why has my screen turned blue?*

A ***Blue screen*** in the **Feature menu** is **ON**. When no signal is being received, the TV will turn off the sound and switch the TV screen to blue. After 20 minutes the TV will switch to Standby mode.

Q *Why is there no Dolby Surround?*

A If you are unable to obtain surround sound effects from the rear speakers whilst playing a Dolby Surround video tape, check that the video recorder is a stereo unit and is connected by a scart lead. Then check the ***Surround set up*** in the **Feature menu**.

Q *Why is there no Dolby Digital?*

A If you are unable to obtain full Dolby Digital check: The ***Rear speaker*** (in ***Surround set up***) says **YES** and the equipment is either connected by a phono or optical link as well as through a Scart socket or COMPONENT VIDEO INPUT. Also check that the correct external source is selected *i.e.* **EXT3** or **EXT4** (in ***AV connections***).

If you connect external front left and right speakers, you must set the External speaker switch to **EXT** to get the full benefit of Dolby Digital – if the switch is left on **INT** the external speakers will not function. **Turn the television off** before changing the position of the switch.

Q *Why is there no sound from the external left and right speakers?*

A Check the speaker switch has been set to **EXT**.

For your own reference...

Notes

Subject	Page	Subject	Page
Aspect Ratio	14	Panel Lock	15
Audio Output	27	Picture Preferences	13
Auto Tuning	8	Programme Selection	12
AV Connections	16	Programme Skip	11
Balance	12	Programme Sorting	10
Bass	12	Questions and Answers	29
Bass Boost	12	Remote Control	5
Bilingual Broadcast	15	Scan Mode	13
Blue Screen	30	Scart	27
Brightness	13	Sharpness	13
Broadcast System	8	Sound Mute	12
Colour	13	Speaker Connections	6
Colour System	29	Standby	7
Connections – back	27	Stereo	15
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Specifications and accessories

Broadcast systems/channels

PAL-I	UHF UK21-UK69
PAL-B/G	UHF E21-E69 VHF E2-E12, S1-S41
SECAM-L	UHF F21-F69 VHF F1-F10, B-Q
SECAM-D/K	UHF R21-R69 VHF R1-R12

Video Input PAL, SECAM, NTSC 3.58/4.43

External connections

EXT1	Input	21-pin Scart	RGB, A/V
EXT2	Input/Output	21-pin Scart	A/V, S-video, Selectable output
EXT3	Input (back)	21-pin Scart	A/V, S-video
	Input (front)	4-pin	S-video
		Phono jack	Video
		Phono jacks	Audio L + R
EXT4	Input	Phono jacks	Y, P_B/C_B, P_R/C_R
		Phono jacks	Audio L + R
Digital Audio Input		Optical or Coaxial	
Fixed Output		Phono jacks	Audio L + R
Output to Active Super Woofer		Phono socket	

Programme Positions 100

Stereo Nicam/MPX

Visible Screen Size 50PH18P 127cm
61PH18P 155cm

Display 4:3

Sound output (at 10% distortion)

Main	15W + 15W
Centre	10W
Surround	10W + 10W

Power consumption 50PH18P 205W
61PH18P 205W

Dimensions

50PH18P	1073mm (W)	1261mm (H)	531mm (D)
61PH18P	1294mm (W)	1426mm (H)	639mm (D)

Weight 50PH18P 74kg (approx)
61PH18P 95kg (approx.)

Headphone Socket 3.5mm stereo

Accessories Remote control
2 batteries (R03 or AAA)

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